

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: B955043
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Issue: 2
Issue Date: 1/4/2013
Effective Date: 1/18/2013

A. Construction

Diameters (mm)

- | | | |
|----------------|-------------------------|------|
| 1) Component 1 | 4 X 1 COND | |
| a) Conductor | 20 (7/28) AWG TC | 0.97 |
| b) Insulation | 0.41 Wall, Nom. PVC | 1.78 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE		
2	RED	4	GREEN		

- | | | |
|-------------------|-------------------------------------|------------------|
| 2) Cable Assembly | 4 Components Cabled | |
| a) Twists: | 19.7 Twists/meter (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | TC BRAID Shield, 85% Coverage, Min. | |
| a) Drain Wire | 20 (7/28) AWG TC | |
| 4) Jacket | 0.81 Wall, Nom., PVC | 6.58 (6.87 Max.) |
| a) Color(s) | GREY | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N B955043 | |

0.56MM2 (20AWG) (UL) TYPE CM 105C OR AWM 2464
 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE
 ROHS (SEQ METERS)
 * = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- | | | |
|----------------------|-------------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 1569 | 105°C / 300 V _{RMS} |
| b) Overall | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| | CM | 105°C |
| | VW-1 | |
| 2) CSA International | CMG | 105°C |
| | FT4 | |
| 3) IEC | EN 60332-1 Flame Behavior | |
| | EN 60332-2 Flame Behavior | |
| 4) CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- | | |
|-------------------------------------|--|
| 1) CE: | EU Directive 2011/65/EU (RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C . |
| 2) REACH Regulation (EC 1907/2006): | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration . |

D. Physical & Mechanical Properties

- | | |
|------------------------|--------------------|
| 1) Temperature Range | -30 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 49 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

E. Electrical Properties

- | | |
|-----------------------|---|
| | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 144.32 pF/m @ 1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 259.12 pF/m @ 1 kHz, Nominal |
| 4) Inductance | 0.6232 µH/m, Nominal |

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- 5) Conductor DCR 33.456 Ω /Km @20°C, Nominal
- 6) OA Shield DCR 8.856 Ω /Km @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 3280 FT 24 x 14 x 12 Continuous length
 - b) 1640 FT 18 x 12 x 8 Continuous length
 - c) 328 FT 12 x 4.5 x 3.5 Continuous length
 - d) 164 FT 12 x 4.5 x 3.5 Continuous length
- [Spool dimensions may vary slightly]*

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